

Title (en)

System and Methods for Communicating in a Telecommunication Network Using Common Key Routing and Data Locality Tables

Title (de)

System und Verfahren zur Kommunikation in einem Telekommunikationsnetz mit gemeinsamem Schlüsselrouting und Datenlokalitätstabellen

Title (fr)

Système et procédés de communication dans un réseau de télécommunication en utilisant le routage de clé commune et tables de localité de données

Publication

EP 2670111 B1 20181024 (EN)

Application

EP 13169821 A 20130529

Priority

- US 201261652731 P 20120529
- US 201313903697 A 20130528

Abstract (en)

[origin: EP2670111A1] A combination of a common key routing (CKR) method and a data locality table (DLT) method may be used to route communication messages in a telecommunication network to achieve improved data locality and reduce secondary key lookups. A processor in a multiprocessor computing system may receive a first communication message that includes subscriber identifiers that uniquely identify a subscriber, generate a common key based on the subscriber identifiers included in the first communication message, and identify a first logical scalable unit that includes a first database memory that stores subscriber data relating to the subscriber by querying a data locality table with the common key. The processor may also identify a first application processor in the multiprocessor computing system that is part of the first logical scalable unit and send the first communication message to the first application processor.

IPC 8 full level

H04L 29/06 (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP US)

H04L 51/58 (2022.05 - US); **H04L 67/1006** (2013.01 - EP US); **H04L 67/1014** (2013.01 - EP US); **H04L 67/1031** (2013.01 - EP US); **H04L 67/1034** (2013.01 - EP US); **H04L 67/63** (2022.05 - EP US)

Cited by

WO2017121155A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2670111 A1 20131204; EP 2670111 B1 20181024; US 2013325984 A1 20131205; US 9363224 B2 20160607

DOCDB simple family (application)

EP 13169821 A 20130529; US 201313903697 A 20130528